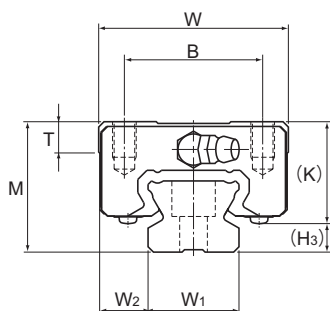


Models SR-W, SR-WM, SR-V, SR-VM, and SR-T



Model No.	Outer dimensions			LM block dimensions									H ₃
	Height	Width	Length ¹								Grease nipple		
	M	W	L	B	C	S×ℓ	L ₁	T	K	N	E		
SR 15V/VM SR 15W/WM	24	34	40.4 57	26	— 26	M4×7	22.9 39.5	5.7	18.2	6	5.5	PB1021B	5.8
SR 20V/VM SR 20W/WM	28	42	47.3 66.2	32	— 32	M5×8	27.8 46.7	7.2	22	6	12	B-M6F	6
SR 25V/VM SR 25W/WM	33	48	59.2 83	35	— 35	M6×9	35.2 59	7.7	26	7	12	B-M6F	7
SR 30V/VM SR 30W/WM	42	60	67.9 96.8	40	— 40	M8×12	40.4 69.3	8.5	32.5	8	12	B-M6F	9.5
SR 35V/VM SR 35W/WM	48	70	77.6 111	50	— 50	M8×12	45.7 79	12.5	36.5	8.5	12	B-M6F	11.5
SR 45W	60	86	126	60	60	M10×15	90.5	15	47.5	11.5	16	B-PT1/8	12.5
SR 55W	68	100	156	75	75	M12×20	117	16.7	54.5	12	16	B-PT1/8	13.5
SR 70T	85	126	194.6	90	90	M16×25	147.6	24.5	70	12	16	B-PT1/8	15
SR 85T	110	156	180	100	80	M18×30	130	25.5	91.5	27	12	A-PT1/8	18.5
SR 100T	120	178	200	120	100	M20×35	150	29.5	101	32	12	A-PT1/8	19
SR 120T	110	205	235	160	120	M20×35	180	24	95	14	13.5	B-PT1/4	15
SR 150T	135	250	280	200	160	M20×35	215	24	113	17	13.5	B-PT1/4	22

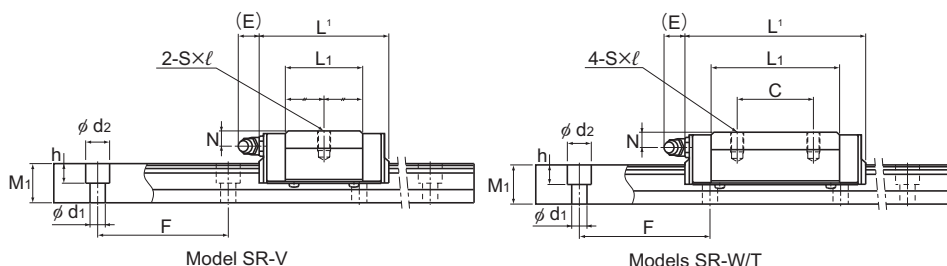
Model number coding

SR25 W 2 UU C0 M +1240L Y P T M - II

Model number	Type of LM block	Contamination protection accessory symbol	Stainless steel LM block	LM rail length (in mm)	Applied to only 15 and 25	Stainless steel LM rail	Symbol for No. of rails used on the same plane
	No. of LM blocks used on the same rail	Radial clearance symbol Normal (No symbol) Light preload (C1) Medium preload (C0)			Accuracy symbol Normal grade (No Symbol)/High accuracy grade (H) Precision grade (P)/Super precision grade (SP) Ultra precision grade (UP)	Symbol for LM rail jointed use	

Notes: This model number indicates that a single-rail unit constitutes one set (i.e., required number of sets when 2 rails are used in parallel is 2 at a minimum).

See **A1-547** for contamination protection accessories, see **A1-74** for radial clearance symbol. See **A1-79** for accuracy symbol. See **A1-13** for symbol for number of rails used on the same plane.



Unit: mm

	LM rail dimensions					Basic load rating ³			Static permissible moment kN·m ⁴					Mass	
	Width		Height	Pitch		Length ²	C	C ₀						LM block	LM rail
									1 block	2 blocks	1 block	2 blocks	1 block		
	W ₁ ±0.05	W ₂	M ₁	F	d ₁ × d ₂ × h	Max	kN	kN						kg	kg/m
	15	9.5	12.5	60	3.5 × 6 × 4.5	(1240) 3000	9.1 13.8	11.7 20.5	0.0344 0.0984	0.234 0.551	0.0215 0.0604	0.149 0.343	0.0694 0.122	0.12 0.2	1.2
	20	11	15.5	60	6 × 9.5 × 8.5	(1480) 3000	13.4 19.2	17.2 28.6	0.064 0.167	0.396 0.887	0.0397 0.102	0.25 0.55	0.135 0.224	0.2 0.3	2.1
	23	12.5	18	60	7 × 11 × 9	(2020) 3000	21.6 30.9	26.8 44.7	0.125 0.326	0.773 1.74	0.0774 0.2	0.488 1.08	0.245 0.408	0.3 0.4	2.7
	28	16	23	80	7 × 11 × 9	(2520) 3000	29.5 45.6	34.4 64.4	0.173 0.564	1.15 2.92	0.108 0.346	0.735 1.8	0.376 0.703	0.5 0.8	4.3
	34	18	27.5	80	9 × 14 × 12	(2520) 3000	40.9 60.4	46.7 81.8	0.275 0.785	1.79 4.27	0.171 0.482	1.14 2.65	0.615 1.08	0.8 1.2	6.4
	45	20.5	35.5	105	11 × 17.5 × 14	3000	80.4	107	1.17	6.34	0.721	3.94	1.89	2.2	11.3
	48	26	38	120	14 × 20 × 17	3000	136	179	2.61	13	1.6	8.05	3.33	3.6	12.8
	70	28	47	150	18 × 26 × 22	3000	226	282	5.03	25.7	3.09	15.9	7.47	7	22.8
	85	35.5	65.5	180	18 × 26 × 22	3000	120	224	2.54	15.1	1.25	7.47	5.74	10.1	34.9
	100	39	70.3	210	22 × 32 × 25	3000	148	283	3.95	20.9	1.95	10.3	8.55	14.1	46.4
	114	45.5	65	230	26 × 39 × 30	3000	279	377	5.83	32.9	2.87	16.2	13.7	—	—
	144	53	77	250	33 × 48 × 36	3000	411	537	9.98	55.8	4.92	27.5	24.3	—	—

¹ Length L shown in the table is the length with the contamination protection accessories, code UU or SS.If other contamination protection accessories or lubricant equipment are installed, the total block length will increase. (See **A1-521** or **A1-543**)² The maximum length indicates the standard maximum length of an LM rail. (See **A1-224**.)³ The basic load rating is for a load in the radial direction.Use **A1-61** on Table 7 to calculate the load rating for loads in the reverse-radial direction or lateral direction.⁴ Static permissible moment 1 block: the static permissible moment with one LM block

2 blocks: the static permissible moment with two LM blocks in close contact with each other

Notes: The M in the model number symbol indicates that the LM block, LM rail and balls are made of stainless steel.

The stainless steel provides excellent corrosion and environmental resistance.

Models SR85T, 100T, 120T, and 150T are made to order.

Models SR85T and 100T include a grease nipple on the side face of the LM block.

For models SR15 and 25, two types of rails with different mounting hole dimensions are offered (see Table 1).

When replacing this model with model SSR, pay attention to the mounting hole dimension of the LM rail.

Contact THK for details.

Table 1: Rail Mounting Hole Dimensions

Model No.	Standard rail	Semi-standard rail
SR 15	For M3 (no symbol)	For M4 (symbol Y)
SR 25	For M6 (symbol Y)	For M5 (no symbol)